CECOM-SEC Belvoir

Enterprise Portal

"A Personalized, Web Enabled, Fused Legacy Environment"

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CECOM-SEC-Belvoir

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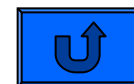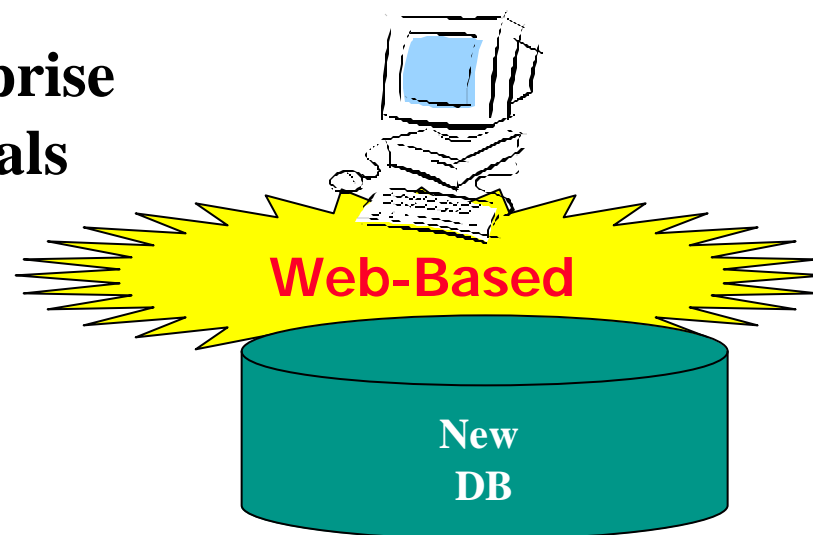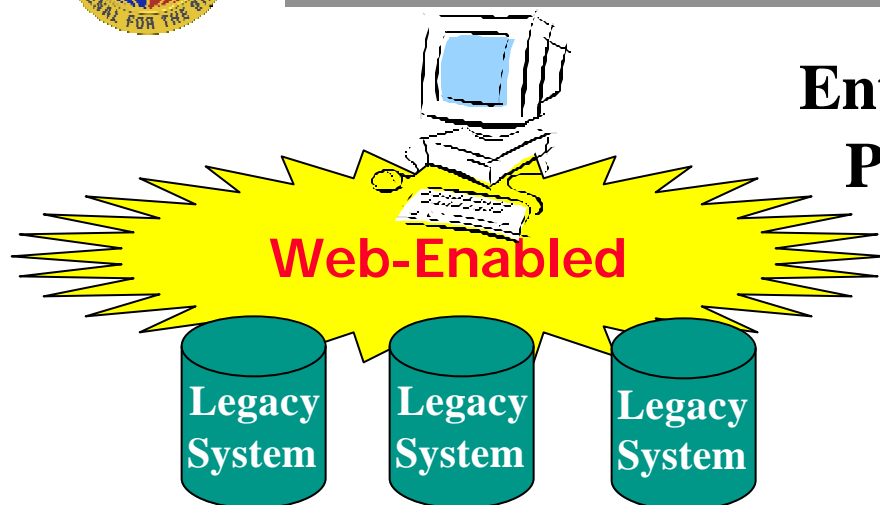# Web User Interface Continuum

Enterprise
Portals

Web-Enabled

Web-Based

Legacy
System

Legacy
System

Legacy
System

New
DB

COST

LOW

HIGH

RISK

Technical Maturity

CECOM Bottom Line: The Soldier

What is an Enterprise Portal?

Integrator

Business Intelligence

Knowledge Management

Identifies trends and Patterns in Structured Data in support of Decision making

Accumulates, Correlates, and Disseminates Organizational Knowledge and Resources (Unstructured data)

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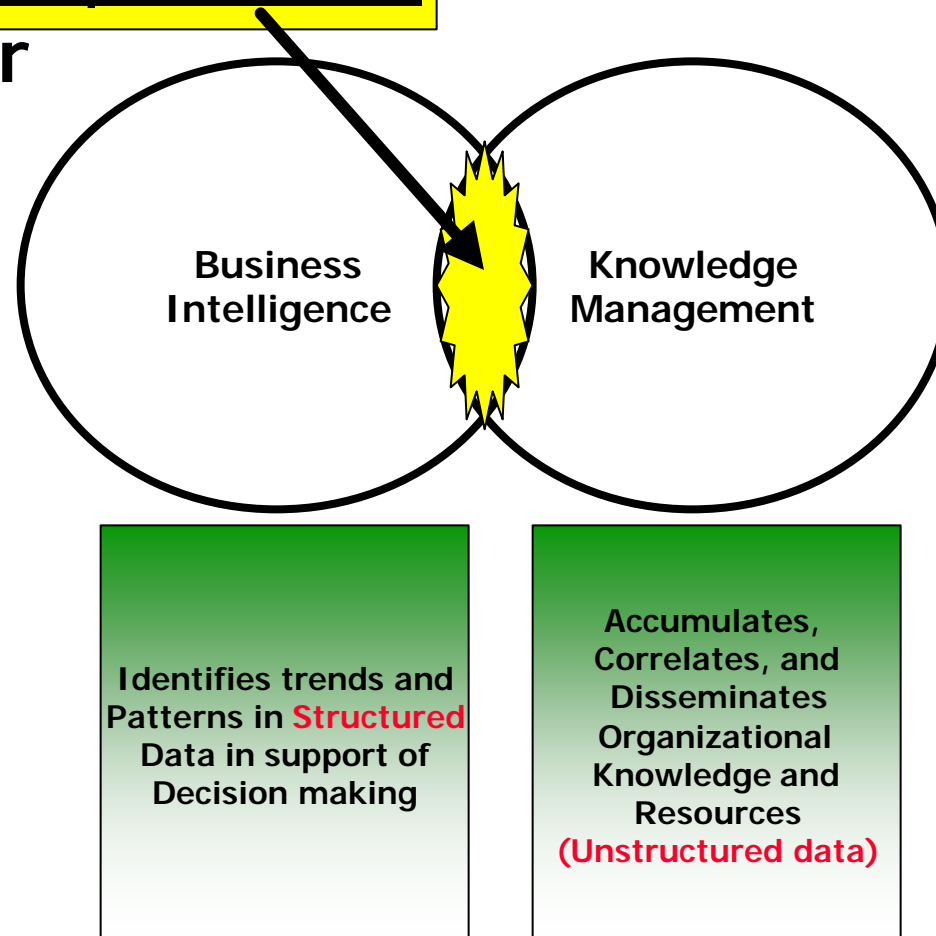
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Common EP Technical Characteristics

➤ **KM/Content Management Component**

- **Taxonomy-logical structure**

- **Repository-stores taxonomy**

- **Index- information directory for portal search capability**

- **Web crawler/spider-search capability with pushing**

➤ **Web Search Engine**

➤ **Business Intelligence Component**

➤ **Web Interface/Web Presentation Technology**

➤ **Middleware: Publishing and Subscribing**

➤ **Administration and Personalization**

➤ **Security**

➤ **Filters and Agent-based Alerts**

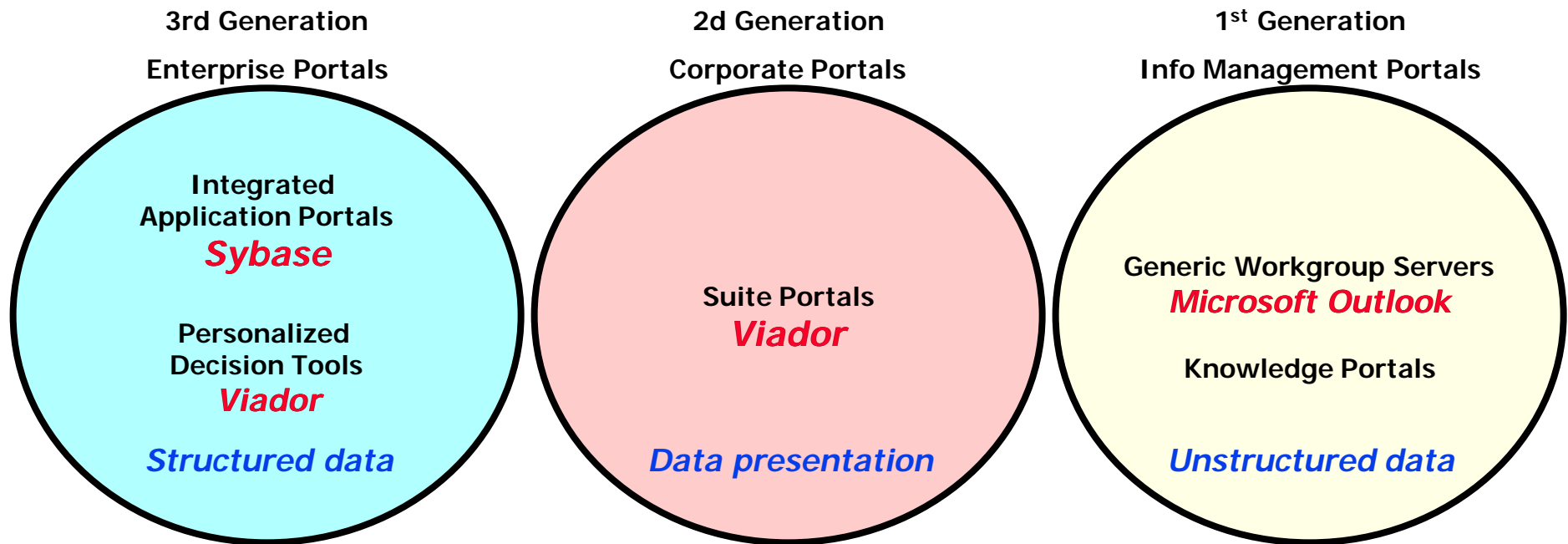➤ **Groupware and Workflow**

➤ **Transaction servers and Load balancing**

➤ **Gateway (APIs)**

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EP Classification by Primary Capability

3rd Gen "Heavy Lift" Portal

3rd Generation	2d Generation	1st Generation
Enterprise Portals	Corporate Portals	Info Management Portals

3rd Generation — Enterprise Portals

Integrated
Application Portals
Sybase

Personalized
Decision Tools
Viador

Structured data

2d Generation — Corporate Portals

Suite Portals
Viador

Data presentation

1st Generation — Info Management Portals

Generic Workgroup Servers
Microsoft Outlook

Knowledge Portals

Unstructured data

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3rd Gen "Heavy Lift" Portal

Data presentation

Suite Portals
Viador

Integrated Application Portals
Sybase

Personalized Decision Tools
Viador

Structured data

Generic Workgroup Servers
Microsoft Outlook

Knowledge Portals

Unstructured data

3rd Gen "Heavy Lift" Portal

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CECOM-SEC Belvoir Situation

- Intense pressure to web-base or web-enable (DRID 54)

- Legacy-type, information rich environment
  but "islands of information" persist

- Global, 24x7 demand for information management

- Effect of decisions can be instantaneous - IF decision makers
  have the information they need

- Many decisions are made without the total knowledge
  necessary

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➢ SEC-B will play a major role for DRID 54 compliance by web-enabling legacy systems

➢ SEC-B can provide a fully functioning portal

➢ SEC-B is committed to Web applications development as a primary business area

➢ SEC-B is teaming with industry partners to achieve best-of-breed, cost effective, and timely solutions with *3rd generation* "heavy lift" portals

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Characteristics of *3rd Generation* Portals

- Ride on top of existing systems

- Web-enable sources of needed information

- Continuously available connectivity

- Build business logic in the portal, not the DB

- Customizable for each end-user role

- Secure through SSL, PKI, etc

- Simplify the user's environment

- Globally deployable

- Easy web access from any browser

- Handle both structured and unstructured data

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Characteristics of *3rd Generation* Portals (cont'd)

- Control schedule of migration of legacy systems against budgets…maximize return on current IT investment IAW DODI 5000.2

- Build foundation for incorporating emerging mobile/wireless technologies

- Deliver a secure, scalable, 24x7 real-time tie-in to legacy DBs and other critical information

- Provide the basis for an Executive Information System for DSS

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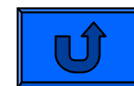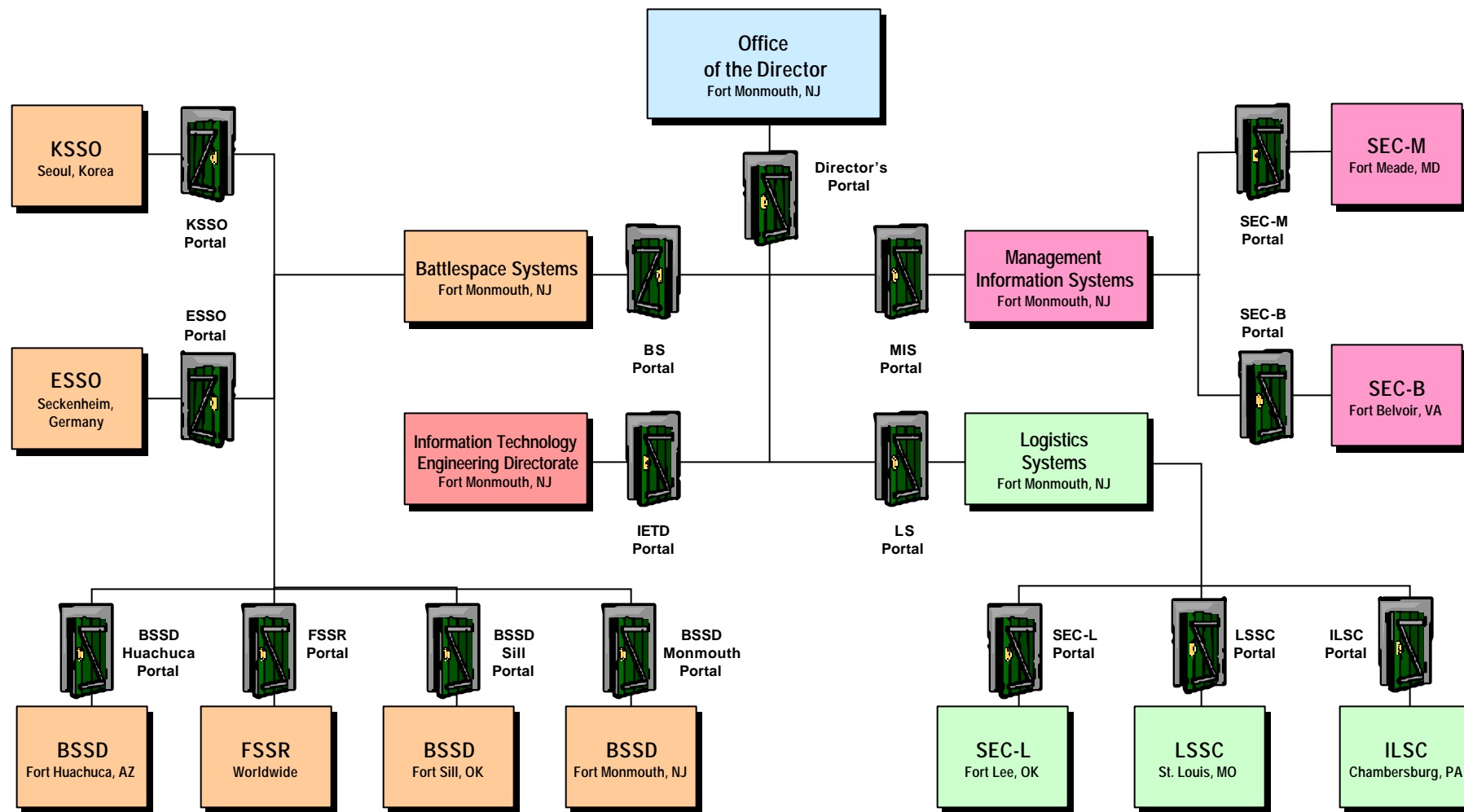
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Bottom-Line Advantages

- NO new DBs required

- NO re-design of core systems required

- If requirements change, and data is available, only the portal business logic is affected

- Easily absorbs emerging technologies

- Several orders of magnitude less risky/costly

- Dramatically reduced implementation time

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Office of the Director
Fort Monmouth, NJ

Director's Portal

KSSO
Seoul, Korea

KSSO Portal

ESSO
Seckenheim, Germany

ESSO Portal

Battlespace Systems
Fort Monmouth, NJ

BS Portal

Information Technology Engineering Directorate
Fort Monmouth, NJ

IETD Portal

Management Information Systems
Fort Monmouth, NJ

MIS Portal

SEC-M
Fort Meade, MD

SEC-M Portal

SEC-B Portal

SEC-B
Fort Belvoir, VA

Logistics Systems
Fort Monmouth, NJ

LS Portal

BSSD Huachuca Portal

FSSR Portal

BSSD Sill Portal

BSSD Monmouth Portal

SEC-L Portal

LSSC Portal

ILSC Portal

BSSD
Fort Huachuca, AZ

FSSR
Worldwide

BSSD
Fort Sill, OK

BSSD
Fort Monmouth, NJ

SEC-L
Fort Lee, OK

LSSC
St. Louis, MO

ILSC
Chambersburg, PA

12/20/2000

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Summary:

- Directly aimed at DRID 54

- Leverages legacy system value

- Less costly/risky than web-basing

- Reduced implementation schedule

- Single sign-on with existing security intact

- Available 24x7 anywhere

- Not just an old EIS...but ubiquitous technology

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What are the estimated costs?

**What are my options?**

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Pricing Options

OPTION 1: "Single Portal Purchase"

- Purchase individual portals @ $1.5M each

- Includes:

  - Hardware (3 servers, 5CPU, @ 733 MHz, 4 x 7G HD)

  - Software (Sybase, Viador, Win NT, Backup Exec, Direct Connect)

  - Support (24x7 by Sybase, 12x5 Viador, 6 hr. response time for HP HW)

  - Consulting & Engineering Services (Gov't/KTR Team)

- Maintenance/Software Upgrade Costs:

  - $165K annual support Yr 2+

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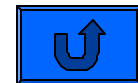
Pricing Options

OPTION 2: "SEC Revenue-Generating Portal Farm"

- Enable all of SEC at one time

- Purchase 4 portals @ $1.5M = $6.2M

- Includes:

  - Hardware (per portal: 3 servers, 5CPU, @ 733 MHz, 4 x 7G HD)

  - Software (Sybase, Viador, Win NT, Backup Exec, Direct Connect)

  - Support (24x7 by Sybase, 12x5 Viador, 6 hr. response time for HP HW)

  - Consulting & Engineering Services (Gov't/KTR Team)

- Maintenance/Software Upgrade Costs:

  - $165K annual support Yr 2+ per portal

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OPTION 3: "CECOM Revenue-Generating Portal"

- Enable all of CECOM at one time (supports all of AMC)

- Purchase 10 portals @ $1.5M = $15M (includes Option 2)

- Includes:

  - Hardware (per portal: 3 servers, 5CPU, @ 733 MHz, 4 x 7G HD)

  - Software (Sybase, Viador, Win NT, Backup Exec, Direct Connect)

  - Support (24x7 by Sybase, 12x5 Viador, 6 hr. response time for HP HW)

  - Consulting & Engineering Services (Gov't/KTR Team)

- Maintenance/Software Upgrade Costs:

  - $165K annual support Yr 2+ per portal

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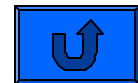
Cost Recovery

SEC (or CECOM) Sells Access

- Requires purchase of Option 1, 2 or 3 (depending on scope of application)

- Sell access @ $500K per customer per year

  - Cost recovery of Option 1: after 3 customers purchase

  - Cost recovery of Option 2: after 12 customers purchase

  - Cost recovery of Option 3: after 30 customers purchase

- After each customer pays $1.5M, portal ownership is transferred

Alternative Purchase Option

CECOM Portal Farm

- Combine known CECOM portal requirements

- Consolidate into one purchase

- Negotiate price based on maximum discounts

- Consider purchase through Logicon Lease (reduce cost impacts)

- Cost Recovery: Sell access to US Army customers

- Achieve rapid compliance with DRID-54

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Summary

- A variety of options to meet current funds availability

- Employs business model of using government contractor team to maximize expertise and knowledge transfer

- Establishes CECOM as center for excellence for Army EP

- Provides a common look and feel, high availability, fail-over, security, high reuse, timely implementation, low risk and best value

- Purchase uses CECOM SCP BPA, an AMC approved contract vehicle (direct purchase or lease)

- Leverages high value of Legacy systems

- Maximizes Return on Investment

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